



KETTERING
RURAL DISTRICT COUNCIL.

ANNUAL REPORT

OF THE

Medical Officer of Health,

LESLIE W. DRYLAND, M.R.C.S., L.R.C.P., D.P.H.Lond.

TOGETHER WITH THE

Annual Reports of the Sanitary Inspector
and Inspector of Dairies and Cowsheds

FOR 1921.

KETTERING :

W. E. & J. GOSS, PRINTERS, STATIONERS, &C.

Medical Officer's Report

For 1921.

MR. CHAIRMAN AND GENTLEMEN,

I have the honour to present for your consideration my Sixteenth Annual Report,

At the request of the Ministry of Health certain modifications are made in this year's Report in the interests of economy.

The figures supplied from Somerset House for this purpose are 12,680. It is interesting to note that the figures at the 1911 Census were 12,899, so that the population of the district has actually declined by 219 persons during the last 10 years.

AREA OF DISTRICT, 47,353 acres.

NUMBER OF INHABITED HOUSES, 3061 (approximately).

RATEABLE VALUE, £78,663.

A PENNY RATE will produce £327.

	Legitimate.		Illegitimate.		Total.
	M	F	M	F	
BIRTHS, 230.	114	105	6	5	230

BIRTH RATE (R.G.), 18.1 per 1000 population.

It will be noticed there is a very marked decrease in the birth rate, also in the number of illegitimate births, but it is very satisfactory to note that none of these latter have died, though they usually have a higher death rate than legitimate children.

There has been no occasion for any Special Report during the year. The health of the District, in spite of the hot summer and the drought, has been exceptionally good on the whole. The total number of notifications of Infectious Diseases (excluding Phthisis) has been less than for very many years past.

Overleaf are appended certain Tables of Statistics.

TABLE I.

Birth Rate, Death Rate, and Analysis of Mortality during the Year 1921.

(Provisional figures. Populations as enumerated in 1921 have been used for the purposes of this Table. The mortality rates refer to the whole population as regards England and Wales, but only to civilians as regards London and the groups of towns).

	Birth Rate per 1,000 Total Population.	ANNUAL DEATH RATE PER 1,000 CIVILIAN POPULATION.										Rate per 1,000 Births		Percentage of Total Deaths.			
		All Causes.	Enteric Fever.	Small-pox	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria.	Influenza.	Violence.	Diarrhoea and Enteritis (under 2 Years).	Total Deaths under One Year.	Deaths in Public Institutions.	Certified Causes.	Inquest Cases.	Uncertified Causes of Death.	
England and Wales ...	22.4	12.1	0.02	0.00	0.06	0.03	0.12	0.12	0.23	0.44	15.5	83	25.5	92.5	6.4	1.1	
96 Great Towns, including London Census Populations exceeding 50,000)	23.3	12.3	0.01	0.00	0.08	0.04	0.13	0.15	0.23	0.40	19.3	87	33.2	92.5	6.8	0.7	
148 Smaller Towns (Census Populations 20,000—50,000)	22.7	11.3	0.01	0.00	0.05	0.03	0.11	0.11	0.26	0.35	15.6	84	17.7	93.5	5.1	1.4	
London ...	22.3	12.4	0.01	0.00	0.05	0.06	0.12	0.25	0.23	0.42	21.3	80	49.2	91.6	8.2	0.2	
Kettering Rural ...	18.1	10.6	0.00	0.00	0.00	0.00	0.14	0.00	0.23	0.07	4.7	65.2	00.0	100.0	1.4	0.0	

TABLE III.

Causes of Death in Kettering Rural District, 1921, Civilians only

Whooping Cough ...	...	...	2
Influenza ...	...	...	1
Tuberculosis (Respiratory) ...	...	...	6
Tuberculosis (other) ...	...	...	3
Cancer, malignant disease ...	...	..	13
Rheumatic Fever ..	...	...	1
Cerebral Hæmorrhage ...	...	...	17
Heart Disease ...	...	...	24
Arterio Sclerosis ...	...	...	2
Bronchitis ...	...	...	10
Pneumonia ...	...	...	7
Other Respiratory Diseases ...	...	...	0
Ulcer of Stomach or Duodenum	...	...	0
Diarrhœa (under 2 years) ...	...	...	1
Cirrhosis of Liver ...	...	...	1
Acute and Chronic Nephritis	...	..	3
Congenital debility, including Premature Birth	...	...	3
Violence ..	...	...	2
Other defined diseases ...	...	...	18
Causes ill-defined or unknown	...	...	12
Total			126

It will be observed that no women died of, or in consequence of, Childbirth ; no deaths from Measles.

Two died from Whooping Cough, and 1 from Diarrhœa (under 2 years).

TABLE IV.

INFANT MORTALITY during the year 1921.

Nett Deaths from stated causes at various Ages under 1 year of age.

CAUSE OF DEATH.	Under 1 week.	1—2 weeks.	1—3 months.	3—6 months.	6—9 months.	Total deaths under 1 year.
Bronchitis ...	..	2	1	...	...	3
Convulsions ...	...	...	2	...	...	2
Premature Birth ...	4	...	...	...	...	4
Whooping Cough ...	...	...	1	...	1	2
Atelectasis ...	...	...	1	..	...	1
Diarrhœa ...	...	...	...	1	...	1
Other causes .. (R.G.)	...	...	...	...	...	2
Totals ..	4	2	5	1	1	15

These figures give an Infantile mortality rate of 65·4 per 1000, or about 5 per 1000 less than last year in a smaller total of births, so that the real *increase of population* in relation to the births is less than last year.

WATER SUPPLY.

Owing to the unusually dry summer, scarcity of water has been felt all over the district. At Burton Latimer the supply was cut off for several hours daily, and additional sources of supply for this village are under consideration.

At Pytchley all private supplies were cut off, and the village stand pipes only were used.

At Corby a new scheme to supply the village was the subject of a Government Enquiry in March; this was approved. The work is shortly to be commenced.

The Rainfall in the District for 1921 is appended :—

Month, 1921.		Rainfall, Inches.
January	...	2'12
February	...	'27
March	...	'90
April	...	'89
May	...	1'34
June	...	'43
July	...	'21
August	...	2'40
September	...	'93
October	...	1'29
November	...	1'51
December	...	1'51
Total		<hr/> 13'80 <hr/>

RIVERS AND STREAMS.

The brook at Grafton Underwood has been completely cleaned out.

At Burton Latimer the Sewage Disposal Scheme, sanctioned in 1920, was commenced, and is expected to mature in the spring.

SCAVENGING.

No complaint received.

NUMBER AND NATURE OF INSPECTIONS.

NUMBER—Inspections, 300.

NATURE.—After Infectious Disease, upon complaint, for detection of nuisances and re-inspections.

NOTICES.

Statutory	...	...	2
Informal	...	...	76

RESULT OF SERVICE.

Nuisances abated ; no legal proceedings necessary.

SCHOOLS.

No complaints were received as to the sanitary condition of any School except at Pytchley, where fumes from the heating apparatus were alleged to be detrimental to health. I inspected the furnace and advised ; no further complaint was received.

The following schools were closed for various periods :—

Thorpe Malsor for Whooping Cough and Measles.

Weldon, Grafton Underwood, and Warkton for Whooping Cough.

MILK SUPPLY.

No evidence has been shewn to suspect the Milk Supply as the cause of any infectious disease.

A copy of Mr. Trevor Spencer's report to the Dairies and Cowsheds Joint Committee is appended.

There are no offensive Trades or Lodging Houses.

INFECTIOUS DISEASES.

The Notifications of Infectious Disease (excluding Phthisis) were less numerous than for many years past, and no epidemic of any notifiable disease has occurred. Five cases of Diphtheria, out of a total of nine for the whole district, occurred at Geddington, but they were scattered over several months. No relation to any common source was discovered ; in nearly every case some sanitary defect was discovered on the premises.

A few cases of Scarlet Fever of a mild type occurred at Broughton ; there was no death from this disease nor from Diphtheria. Ophthalmia Neonatorum was entirely absent.

One case of Paratyphoid B was imported from Nottingham, and owing to the unusual nature of the rash caused some anxiety at first that it might be Small Pox, but after two blood tests the

diagnosis was established, the case being strictly isolated at home : no further cases resulted.

There were 2 deaths from Whooping Cough, and epidemics occurred at Thorpe Malsor, Weldon, Grafton Underwood, and Warkton, where the Schools were closed.

There were many cases of mild Chicken Pox all over the district, and some Measles, but no fatal results.

INFLUENZA.—A large number of cases occurred in November.

HOSPITAL ACCOMMODATION.

Out of a total of 9 cases of Diphtheria, 7 were removed to Hospital ; also 6 cases of Scarlet Fever out of 11 notified. All these cases recovered.

MATERNITY CENTRE.

The Northamptonshire Nursing Association, acting as agents of the County Council, have an Infant Welfare Centre at Burton Latimer. The Health Visitor attends this Centre with the District Nurse. There are only 4 villages in this area not provided with a District Nurse.

STAFF,

(1) Mr. S. Wallis, Sanitary Inspector.

(2) Mr. Blackmore, Assistant Housing Inspector, left last year ; his post has not been filled.

(3) Miss Macausland, the Health Visitor, was unfortunately taken ill at the close of the year, and has since resigned her post, owing to continued ill health. Her work was exceedingly valuable ; her loss is much regretted.

SLAUGHTER HOUSES.

There are 11 Slaughter Houses in the district. Two applications for new ones were refused owing to unsuitability of the premises.

OVERCROWDING.

One case was dealt with. The new houses will shortly relieve matters.

THE HOUSING ACT.

The approximate number of houses in the district is 3061, and of these 2722 are for the working classes.

Number of New Houses erected, or being erected, during the year :

(a) Total, 143.

(b) As part of Housing Scheme, 140.

(1) Unfit Dwelling Houses—Inspection.

(1) Total number of dwelling houses inspected for housing defects (under P.H.A.)	79
(2) Number of dwelling houses which were inspected (Housing Regulations, 1910)	...	...	33
(3) Number of dwelling houses found to be in a state so dangerous, or injurious to health, as to be unfit for human habitation	...	...	2
(4) Number of dwelling houses (exclusive of above) found not to be in all respects fit for human habitation	...	...	3

(2) Remedy of defects without service of formal Notices.

Number of defective dwelling houses rendered fit in consequence of informal action by Local Authority or the Officers	30
---	-----	-----	-----	----

(3) Action under Statutory Powers.

A—Proceedings under Section 28 of the Housing Act, 1919.

(1) Number of dwelling houses in respect of which notices were served requiring repairs	...	2
(2) Number of dwelling houses rendered fit—		
By Owners	...	2
By Local Authority in default of owners		0
(3) Number of dwelling houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intentions to close	...	0

B—Proceedings under Public Health Act.

(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied	...	...	...	15
(2) Number of dwelling houses in which defects were remedied—(a) By Owners	...	...	...	15
(b) By Local Authority in lieu of Owners				0

C—Proceedings under Sections 17 and 18 of the Housing and Town Planning Act, 1909.

(1) Number of representations made with a view to the making of Closing Orders	...	...	0
(2) Number of dwelling houses in respect of which Closing Orders were made	...	...	0
(3) Number of dwelling houses in respect of which Closing Orders were determined, the dwelling houses having been rendered fit	...	...	0
(4) Number of dwelling houses in respect of which demolition Orders were made	...	...	0
(5) Number of dwelling houses demolished in pursuance of Demolition Orders	...	...	0

In two cases action would have been taken under Section C. but as no accommodation could be found the tenants had to stay, but have been instructed to move as soon as possible.

As regards the future supply of houses—the Scheme originally provided for 270 new dwellings, but at present only 140 are being constructed.

I am, Sir,

Your obedient Seryant.

LESLIE W. DRYLAND, D.P.H., Etc.

KETTERING RURAL DISTRICT COUNCIL

Report of Sanitary Inspector and Surveyor for 1921.

*To the Chairman and Members of the Kettering
Rural District Council.*

GENTLEMEN,

I beg to present 8th Annual Report dealing with the Sanitary Work in the Rural District of Kettering for year ended 31st December, 1921.

INFECTIOUS DISEASE, 1921.

The following cases of Infectious Disease were notified : 46, of which 20 were Phthisis, against 51 for year 1920.

The following is a summary of Infectious Disease :

INFECTIOUS DISEASES.

		Diphtheria	Scarlet Fever	Erysipelas	Phthisis	Enteric Fever	Pneumonia	Total
Broughton	...	1	6	—	2	—	—	9
Burton Latimer	...	—	—	—	6	—	1	7
Corby	...	3	3	2	2	—	—	10
The Cranfords	...	—	—	—	2	—	—	2
Geddington	...	5	—	1	1	1	—	8
Grafton Underwood	...	—	—	1	—	—	—	1
Great Oakley	...	—	1	—	—	—	—	1
Little Weldon	...	—	—	—	2	—	—	2
Pytchley	...	—	—	—	1	—	—	1
Rushton	...	—	—	—	1	—	—	1
Thorpe Malsor	...	—	—	—	1	—	—	1
Weekley	...	—	1	—	2	—	—	3
Total	...	9	11	4	20	1	1	46

SUMMARY OF NUISANCES DEALT WITH.

Privies converted to Pail Closets	...	6
Privies converted to Water Closets	...	6
Defective Gullies	... ..	10
Drains cleared	... ..	43
Offensive accumulations removed	...	20
Wells and Pumps repaired	... ..	10
Taps repaired	... ..	253
W.C's repaired	... ..	6
Animals improperly kept	... ..	21
Overcrowding	... ..	3
Old Buildings demolished	... ..	2
Samples Water	... ..	35

No legal proceedings were taken : preliminary notices proving satisfactory.

SLAUGHTER HOUSES.

These have been inspected from time to time. 2 Nuisances were dealt with. No unfit food was found.

Workshops and Bakehouses in the District have been inspected.

HOUSING AND TOWN PLANNING ACT.

Owing to the extra work entailed under the new houses extensions to sewers and water supplies, also acting as Clerk of Works to Burton Latimer's Sewage Disposal Works extensions, I have been unable to devote as much time as usual to this department, but hope to remedy this during the coming year.

The following is a summary of proceedings for the year :

Number of Dwelling-houses inspected	...	79
Number of Dwelling-houses definitely unfit	...	2
Number of Closing Orders made	...	—
Number of Dwelling-houses defects remedied		30
Number of Dwelling-houses rendered fit after closing orders	... ..	—
Number of Dwelling-houses demolished	...	2
Number of Preliminary Notices served	...	15
Number of Statutory Notices served	...	2

General defects included Dampness, Drains, Insufficient Closets, Lighting, and Ventilation.

NEW HOUSES.

The Housing Scheme is being carried out as follows :—

Barton Seagrave	...	...	6
Broughton	..	...	12
Burton Latimer	...	...	44
Corby	...	...	36
Cottingham	...	...	12
Cranford St. John	...	...	6
Cransley	...	...	6
Geddington	...	...	6
Pytchley	...	...	12

Geddington and Barton Seagrave houses are completed. The whole of the scheme will be completed during the ensuing year.

SANITARY SURVEYOR'S REPORT.

PLANS.

	New Buildings		Alterations	and	Ttl.
	—Houses—	Factories.			
	Brick.	Wood.	etc.	Additions.	Drainage.
Barton Seagrave	...	6	—	—	6
Burton Latimer	...	44	1	4	49
Broughton	...	12	—	—	12
Corby	...	36	—	—	36
Cottingham	...	12	—	—	12
Cranford	.	6	2	—	8
Cransley	...	6	—	1	7
Geddington	...	6	—	—	6
Pytchley	...	12	—	—	12
The Weldons	...	—	—	1	1
	140	3	5	1	149

SEWAGE AND WATER WORKS.

Barton Seagrave. Scavenging and Sewers satisfactory.

Broughton. The Sewage Disposal Works are satisfactory. The sale of Crops realised £32 10s. 8d., against £77 16s. last year, The Sewer was extended up the Cransley Road to take drainage of the twelve new houses at a cost of £250.

Burton
Latimer.

The Outfall Brook has been cleaned out. The Septic Tanks have been emptied. The new 12" sewer, sludge beds, and filters, estimated to cost £3,800, and commenced 2nd October, are well on the way to completion. I was appointed Clerk of the Works here to avoid expense of having a separate office, and have endeavoured to visit these works five times each week. The well was pumped out in July, and has been daily since. Kettering Urban District Council have kindly supplied us with 345,375 gallons up to the end of the year. Several sources have been inspected by the Committee, and Messrs. Everard and Pick are presenting a report and suggested scheme to get over this difficulty. The new water main to the Housing Site was carried out by the Council's staff, 300 yards of 4" C.I. main, with necessary hydrants, etc., being laid.

Corby.

The village ditch has been cleaned out. The first sale of crops at the Sewage Disposal Works realised £37 Is. 6d. The well for the proposed Water Scheme having proved satisfactory, it is hoped to commence this scheme early in the New Year. The Septic Tanks on Oakley Road not proving sufficient to take the drainage from the Housing Site, Messrs. Everard and Pick were instructed to prepare a scheme to connect this area up with the existing sewer in Stanion Lane. It is hoped to commence this work early in the new year.

Cottingham.

The parish ditches have been cleaned out. The 6" sewer is to be extended from Messrs. Wallis & Linnell's Factory to pick up the drains from the new Housing Site.

Cranford
St. John.

A Septic Tank has been approved to take drainage from the Housing Site.

Geddington.

The Sewer has been extended in Carver's Lane to take the drainage from the Housing Site.

Grafton
Underwood.

The Village Brook has been cleansed throughout the village. This was a lengthy business, but I took advantage of the dry weather to finish the whole length at once.

Harrington.

The Septic Tank and overflow ditch have been cleaned out.

Little Oakley.

The Parish Ditches have been cleansed.

- Little
Weldon. The Village Brook has been cleaned out throughout the whole
length of the village.
- Middleton. Parish Ditch has been cleansed and guard fence made good.
- Orton. The Outfall Ditch has been cleaned out.
- Pythley. The Sale of Crops realised £120 18s. 4d , against £135 5s. 6d.
last year. In July the well began to fail, and it was found necessary
to turn off the water, except at the standpipes, except for 24 hours
per week. This is proving satisfactory. The Windmill continues
to giye satisfaction, but the engine has to be used daily during
calm weather.
- Rushton. The Septic Tanks have been cleaned out.
- Stanion. The Windmill has now been completed and is working satisfac-
torily. Owing to the small quantity of water in the well, the engine
has had to be used continually throughout the summer and in calm
weather, but I have not received a single complaint
- Thorpe
Malsor. The Septic Tank has been cleaned out.
- Warkton. The Septic Tank has been cleaned out
- Weekley. The Septic Tank and outfall ditches has been cleaned.

Owing to the phenomenal summer there has naturally been
a shortage of water, but by helping each other no village had to go
outside the parish to get supplied.

I am, Chairman and Gentlemen,

Your obedient servant,

S. WALLIS, A.R.San.I.

Sanitary Surveyor and Inspector.

*To the Joint Committee of the Urban and Rural Districts
of Kettering, and of the Urban Districts of Desborough and
Rothwell, re Dairies and Cowsheds.*

VETERINARY INSPECTOR'S ANNUAL REPORT, 1921.

GENTLEMEN,

I have the honour to report that during the year ended December 31st, 1921, I have made inspection and re-inspection of premises in the occupation of registered cowkeepers to the number of 302, and an individual examination of milk-producing cows to the number of 3087.

In accordance with the sanitary conditions met with, the cowsheds have been graded under three headings. A, B, and C

Class A are those in which the sanitary conditions of the sheds and surroundings are quite satisfactory, and the health of the animals normal.

Class B are those in which some minor defect is present, either as regards the sanitary state of the sheds or the health of the cows.

Class C are those in which the conditions are unsatisfactory or bad.

Graded under these three headings there have been, at the several inspections, in

Class A.	144	Cowsheds containing	1521	cows.
Class B.	117	„ „	1227	„
Class C.	41	„ „	339	„
	<hr/>		<hr/>	
Total	302		Total	3087
	<hr/>		<hr/>	

It will be seen from the foregoing that the sanitary condition of the Cowsheds, in the period covered by the report, was unsatisfactory or bad in 13·50 cases per cent. In the great majority of these cases the unsatisfactory conditions were due to a total disregard of the elementary principles of cleanliness, periodical flushing of the floors having been neglected in not less than 30 cases, in most of which the cows' udders were also dirty. Other unsatisfactory conditions were due to overcrowding (5 cases), insufficient lighting (2 cases), and bad flooring (4 cases).

In all instances in which grounds for complaint were found to exist, improvement was noticeable at the subsequent inspection. With regard to the health of the cows and the condition of their udders, the results of the inspection are, in the main, highly satisfactory, as regards the absence of clinical evidence of disease.

Apart from atrophied quarters and other chronic abnormalities which would not affect the *quality* of the milk, only 12 cases were found in which the udder was in a condition calculated to render the milk harmful to persons consuming it in an uncooked state.

I have the honour to remain, Gentlemen,

Your obedient Servant,

TREVOR F. SPENCER, M.R.C.V.S.